Tricia L. Holman

see projects at portfolio: https://stormy9.github.io/

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Education

Western Oregon University

Applied Baccalaureate of Science → Computer Science

2017 ↔ 2020   GPA==3.6

2018\19: Edward B. Wright Computer Science Scholarship

Chemeketa Community College

Associate of Science, Computer Systems & Information Technology

2015 ↔ 2017   GPA==3.9

Languages + Frameworks

- → **C# + LINQ + Razor**
- → **ASP.NET \ MVC5**
  - → **entity \ identity**
- → **HTML5 + CSS3 + the DOM**
- → **BootStrap**
- → **JavaScript / jQuery**
- → **AJAX + REST API's**
- → **PHP**
- → **Java \ OOP**
- → **Python + pipenv \ Flask**
- → **Database:**
  - → **SQL\T-SQL + DDL**
  - → **mySQL**
  - → **mongoDB + Firebase**
  - → **Oracle APEX**
  - → **MS-SQL Server**

WOU Senior Project

Software Engineering I + II + III

Petopia: Team Nerdvana \ Capstone Project \ Senior Sequence

A Pet Care web application for Pet Owners to find Pet Care Providers, and for Pet Lovers to earn income by registering as a Pet Care Provider.

Features: User registration & login … role selection … profile creation for Pet Owners, Pets, & Care Providers … photo handling … Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations and on-site notifications for both parties … Pet Owner⇔Care Provider ratings & comments … Pet Badges … proximity finder … payment processing API… security checks so only the right people can access certain pages… input validations.

As a team, developed algorithm combining proximity + rating + badges to calculate a user score to recommend Pet Care Providers to Pet Owners.

Practiced Disciplined Agile Delivery for Inception & Construction … developed Epics, User Stories, Tasks … used Pivotal Tracker to plan\track sprints … used Git(Hub) for version control & collaboration.

other projects from college career

Database Management

Term project: designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access & writing DDL/SQL… multiple tables, forms, queries, reports – plus friendly user interface and all documentation, user guide, and ERDs.   (*project=100% – class=98.7%*)

Systems Analysis

Term project: developed & documented plans, business rules, user stories, and diagrams\modeling to build "Happy Tails" into a web app… designed to augment & complement existing database app, evolving Happy Tails into a fully functional, responsive, intuitive, user-friendly web presence.   (*project=100% – class=99%*)

Web Application Development

Term project: re-worked a (purposely) poorly designed\developed web app into a responsive, functional, attractive design… including database interaction with user registration\log-in and site security using SQL & PHP.   (*project=100% – class=96.7%*)

Computer Science II ~ Java

Final project: designed/coded mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks and exception handling. First experience with Java (skipped CS I).   (*project=100% – class=97.6%*)

→ XML + JSON & YAML

→ VisualBasic … Haskell

more…

→ Git \ GitHub + bash

→ Postman \ cURL \ Insomnia

→ Redis + Celery

→ nginx \ load balancing

→ Swagger + connexion

→ Azure web apps + DB

→ AWS VM + DB

→ Heroku

→ software/unit testing

  → pytest + coverage

  → html \ css validation

→ VisualStudio … Eclipse … LINQ-pad

  → lots of editors!

post-grad fun…

→ node.js

→ react

→ angular

→ ASP.NET core

  → building an API

Information Management

Final [team] project: collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL… comprising multiple tables, forms, queries, and reports – plus user interface; drafted all documentation, modeling\ERDs, and user guide.   (*project=100% – class=97%*)

Microservices Architecture

Term project: extracted activity logging as a microservice from a monolithic web app "Wolfit" (*developed for our class*)… self-taught python on the fly… project included pytest+coverage, mongoDB, writing & calling RESTful APIs, load balancing with nginx, handling asynchronous calls with redis+celery, using swagger+connexion for API management… on AWS VM + Linux via Chromebook!

(*project graded incrementally – class=92%*)

Own / Operate Business
Stormcloud Enterprises ~ Independent Contractor
Mystery Shopping/Auditing ~ October 2010 to September 2015

→ Successfully completed 1600+ undercover and revealed audits at dozens of businesses in Northwest Oregon

→ Memorized and carried out a variety of complex scenarios to accurately fulfill shop/audit requirements

→ Through objective observations and personal interactions, evaluated and documented customer service, facilities, inventory, presentation, and promotional materials while remaining unnoticed.

→ Produced professional, comprehensive reports per each client's specifications; prepared required documentation and evidence (including photos), in 12 to 24 hour turnaround timeframe.

→ Set and managed work schedule; developed spreadsheet to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.

→ Evaluations/reports consistently scored 9 to 10 out of 10 thus attaining preferred status for preferred assignments.

Receptionist / Phone Operator
Business Connections Answering Service
Summer job ~ April to September 2018

→ While doing Discrete Math in a summer intensive at WOU!

→ Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service

→ Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services.